

# Lecture Module - Data Acquisition

ME3023 - Measurements in Mechanical Systems

Mechanical Engineering

Tennessee Technological University

## Topic 2 - DAQ Hardware and Applications

## Topic 2 - DAQ Hardware and Applications

- Signal Types and DAQ
- Available Hardware
- Software Integration
- —

# Signal Types and DAQ

## Single-Ended Signals

## Double-Ended Signals

# Signal Types and DAQ

## Single-Ended Signals

Pros:

Cons:

## Double-Ended Signals

Pros:

Cons:

# Available Hardware

- National Instruments
- Measurement Computing
- dSPACE
- Arduino or other

# Software Integration

- National Instruments
- Measurement Computing
- dSPACE
- Arduino or other

# Software Integration

some reference

some reference



